

Science ARRC At-A-Glance Map		ROUND ROCK ISD	Revision Date: 5-2010
		Grade Level: K	
1st Nine Weeks	2nd Nine Weeks	3rd Nine Weeks	4th Nine Weeks
<p>August 24-October 22 42 days (9 weeks) Use the Recommended Instructional Timelines for Planning.</p> <p><u>Suggested Units</u></p> <p>Unit 1: Getting Started</p> <p>Unit 2: Force, Motion, and Energy - Five Senses, Forms of Energy and Force & Motion</p> <p>Unit 3: Earth and Space - Seasons(ongoing)</p> <p>Unit 4: Matter and Energy - Properties of Matter</p> <p><u>TEKS/SEs</u></p> <p><u>Unit 1: Getting Started (2 weeks)</u></p> <p><u>Unit 2: Force, Motion, and Energy - Five Senses, Forms of Energy and Force & Motion (4 weeks)</u></p> <p>K.6A Use the five senses to explore different forms of energy such as light, heat, and sound.</p> <p>K.6B Explore interactions between magnets and various materials.</p> <p>K.6C Observe and describe the location of an object in relation to another such as above, below, behind, in front of, and beside.</p> <p>K.6D Observe and describe the ways that objects can move such as in a straight line, zigzag, up and down, back and forth, round and round, and fast and slow.</p>	<p>October 25-December 17/21 37 days (7 weeks) Use the Recommended Instructional Timelines for Planning.</p> <p><u>Suggested Units</u></p> <p>Unit 5: Earth and Space - Rocks & Soil, Water, Natural Resources</p> <p><u>TEKS/SEs</u></p> <p><u>Unit 5: Earth and Space - Rocks & Soil, Water, Natural Resources (7 weeks)</u></p> <p>K.7A Observe, describe, compare, and sort rocks by size, shape, color, and texture.</p> <p>K.7B Observe and describe physical properties of natural sources of water, including color and clarity.</p> <p>K.7C Give examples of ways rocks, soil, and water are useful.</p> <p><u>Ongoing Scientific investigation and Reasoning</u></p> <p>K.1A Identify and demonstrate safe practices as described in the Texas Safety Standards during classroom and outdoor investigations, including wearing safety goggles, washing hands and using materials appropriately.</p>	<p>January 3-March 11 47 days (10 weeks) Use the Recommended Instructional Timelines for Planning.</p> <p><u>Suggested Units</u></p> <p>Unit 6: Matter and Energy - Changes in Properties</p> <p>Unit 7: Earth and Space - Weather & Climate, Objects in the Sky</p> <p>Unit 3, continued: Earth and Space - Seasons</p> <p>Unit 8: Organisms and Environments - Basic Needs</p> <p><u>TEKS/SEs</u></p> <p><u>Unit 6: Matter and Energy - Changes in Properties (2 weeks)</u></p> <p>K.5B Observe, record, and discuss how materials can be changed by heating or cooling.</p> <p><u>Unit 7: Earth and Space - Weather & Climate, Objects in the Sky (6 weeks)</u></p> <p>K.8A Observe and describe weather changes from day to day and over seasons.</p> <p>K.8C Observe, describe, and illustrate objects in the sky such as the clouds, Moon, and stars, including the Sun.</p> <p><u>Unit 3, continued: Earth and Space - Seasons (1 week, continued from 1st Nine Weeks and ongoing)</u></p> <p>K.8B Identify events that have repeating patterns, including seasons of the year and day and night.</p>	<p>March 21-May 31 49 days (10 weeks) Use the Recommended Instructional Timelines for Planning.</p> <p><u>Suggested Units</u></p> <p>Unit 8, continued: Organisms and Environments - Basic Needs</p> <p>Unit 9: Organisms and Environments - Structure & Function, Traits & Behavior, Life Cycles</p> <p><u>TEKS/SEs</u></p> <p><u>Unit 8, continued: Organisms and Environments - Basic Needs(4 weeks, continued from 3rd Nine Weeks)</u></p> <p>K.9A Differentiate between living and nonliving things based upon whether they have basic needs and produce offspring.</p> <p>K.9B Examine evidence that living organisms have basic needs such as food, water, and shelter for animals and air, water, nutrients, sunlight, and space for plants.</p> <p><u>Unit 9: Organisms and Environments- Structure & Function, Traits & Behavior, Life Cycles (6 weeks)</u></p> <p>K.10A Sort plants and animals into groups based on physical characteristics such as color, size, body covering, or leaf shape.</p>

<p><u>Unit 3: Earth and Space - Seasons (1 week, continued in 3rd Nine Weeks)</u> K.8B Identify events that have repeating patterns, including seasons of the year and day and night.</p> <p><u>Unit 4: Matter and Energy, Properties of Matter (2 weeks)</u> K.5A Observe and record properties of objects, including relative size and mass, such as bigger or smaller and heavier or lighter, shape, color, and texture.</p> <p><u>Ongoing Scientific investigation and Reasoning</u> K.1A Identify and demonstrate safe practices as described in the Texas Safety Standards during classroom and outdoor investigations, including wearing safety goggles, washing hands and using materials appropriately.</p> <p>K.1B Discuss the importance of safe practices to keep self and others safe and healthy.</p> <p>K.1C Demonstrate how to use, conserve, and dispose of natural resources and materials such as conserving water and reusing or recycling paper, plastic, and metal.</p> <p>K.2A Ask questions about organisms, objects, and events observed in the natural world.</p> <p>K.2B Plan and conduct simple descriptive investigations such as ways objects move.</p> <p>K.2C Collect data and make observations using simple equipment such as hand lenses, primary balances, and non-standard measurement tools.</p> <p>K.2D Record and organize data and observations using pictures, numbers, and words.</p>	<p>K.1B Discuss the importance of safe practices to keep self and others safe and healthy.</p> <p>K.1C Demonstrate how to use, conserve, and dispose of natural resources and materials such as conserving water and reusing or recycling paper, plastic, and metal.</p> <p>K.2A Ask questions about organisms, objects, and events observed in the natural world.</p> <p>K.2B Plan and conduct simple descriptive investigations such as ways objects move.</p> <p>K.2C Collect data and make observations using simple equipment such as hand lenses, primary balances, and non-standard measurement tools.</p> <p>K.2D Record and organize data and observations using pictures, numbers, and words.</p> <p>K.2E Communicate observations with others about simple descriptive investigations.</p> <p>K.3A Identify and explain a problem such as the impact of littering on the playground and propose a solution in his/her own words.</p> <p>K.3B Make predictions based on observable patterns in nature such as the shapes of leaves.</p> <p>K.3C Explore that scientists investigate different things in the natural world and use tools to help in their investigations.</p> <p>K.4A Collect information using tools, including computers, hand lenses, primary balances, cups, bowls, magnets, collecting nets, and notebooks; 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Formative Assessment Options in Recommended Instructional Timelines	Formative Assessment Options in Recommended Instructional Timelines	Formative Assessment Options in Recommended Instructional Timelines	Formative Assessment Options in Recommended Instructional Timelines
Once introduced, all major concepts should be spiraled throughout the year.			